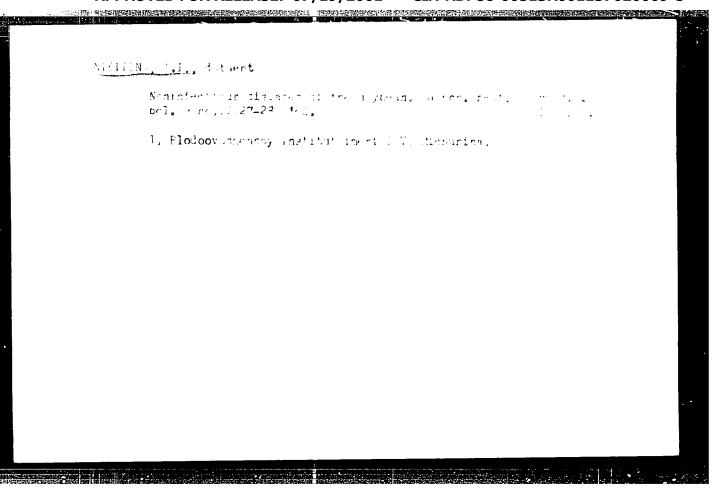
NIKITINA, A.I., kand.sel'skokhoz.nauk; KALININA, Yo.l.

Antibiotics in controlling scybenn diseases. Zasaca. rast. of wred.
i bol. 7 no.11:31-32 N '62.

(MIRA 16:7)



Miplifing. 1. K "The Tipe of the Annealing Methy it Inne the Assembling Methy in Technique to tell provided on the Tipe of	
So_: Enizimava Letopis', ' l ,	

CIA-RDP86-00513R001137020009-8 "APPROVED FOR RELEASE: 07/19/2001

SOV 137 58 11 27397

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 222/USSR)

Nikitina, A.K., Bol'shanina, M.A. AUTHORS:

The Effect of Strain Rate on the Softening of Copper (Vliyanive TITLE:

skorosti deformatsii na razuprochneniye medi)

PERIODICAL: V sb.: Issled. po fiz. tverdogo tela. Moscow. AN SSSR. 1957 pp 146-151

ABSTRACT:

The temperature stability of distortions produced in Cu at carious strain rates (R) was investigated experimentally together with the kinetics of the softening of the metal at different annealing tempera tures. The tests were carried out on a Cu wire (M1 grade, 0 5 mm diam) which was cut into specimens (S) of a design length of 50 mm Preliminary cold hardening was achieved by means of static elorga tion of the S by an amount equivalent to 26% at rates of 0.03% min and v2 285% min. The S were then annealed in vacuum for a period of one hour at temperatures ranging from 150 through 350°C. After annealing, all S were again elongated this time by 4% at a rate of 0.3%/o/min. The true-stress value thus obtained served as a measure of the degree of cold-hardening remaining after annealing. The test

Card 1/2

SOV 137 58 11 2 447

The Effect of Strain Rate on the Softening of Copper

results were plotted in the form of curves representing the true stresses arising during the second elongation (at a rate of 0.3% /min) as a function of the annealing temperature. It is shown that increasing the elongation rate results in an increased resistance to deformation. Compared with S which have been elongated at a slow rate, specimens which have been subjected to rapid elongation and which exhibited a higher resistance to deformation at room temperature begin to soften at a lower temperature. The recovery isotherms derived as functions of the anneal time possess the customary shape. The sharpest drop in the isotherm is observed during short periods of annealing; it is also most pronounced as the preliminary elongation rate and the annealing temperature are increased. Based on an analysis of the experimental results it is concluded that an increase in the rate of elongation not only leads to quantitative changes in the degree of cold hardening but also results in a modification of the nature of this process which is manifested by a change in the temperature stability of the distortions induced in the metal at various rates of elongation.

V = N

Card 2/2

37.723 5/139/62/000/002/020/028 BO73/BJ35

11 7 AUTHORS:

t

Bol'shanina, M.A., Korotayev, A.D. and Nikitina, A.K.

717.22:

On the temperature-speed dependence of the flow

stresses of NiFe and NiFeCr. II

PERICEICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Fizika,

no.2, 1962, 131-137

In an earlier paper ($_{\rm PP}.125\text{--}130$ of this issue) the influence of the short-range order and the K-state on the TEXT: temerature-speed dependence of flow stresses in nickel-base alloys was investigated. In this paper the same dependence was studied for the binary alloy NiFe containing 81% Ni and the ternary alloy Ni Fe+3% Cr. It was found that the formation of a K-state in the NiFeCr alloy does not bring about considerable strengthening as compared with the strengthening during formation of an ordinary short-range order in the alloy. Plastic deformation in the range of intensive formation of the K-state and the short-range order occurs in jumps and the nature of the deformation in jumps is identical in all cases. In the alloy NiTeho, the deformation in jumps is accompanied by an anomalous Card 1/2

On the temperature-speed ...

0/139/62/000/001/020/028 E073/E535

temperature-speed dependence of the flow stress. In the NifeCr alloy no speed dependence was observed, whilst in the MiFe alloy a normal dependence of the flow stress on the temperature and speed of deformation was found to exist. At the terreratures of formation of the K-state and of the short-range order in sharp drop in the plasticity was observed. There are 4 figures and 2 tables.

ABOUCTATION: Sibirship fiziko-tenharchesh.y institut pri Tomskom gosumiversitete imeni V. V. huybyshova (Siberian Physico-technical Institute at the Tomsk State University imeni V. V. Huybyshev)

SUBMITTED:

July 13, 1961

Card 2/2

35611 \$/126/62/013/003/017/023 £193/£383

18.141.

AUTHORS: Korotayev, A.D. and Nikitina, A.K.

TITLE: Effect of quenching conditions and plastic deformation

。 1987年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年

on the formation of the K-state in a Ni-Fe-Mo alloy

PERIODICAL: Fizika metallov i metallovedeniye, v. 13, no. 3, 1962, 454 - 457

TEXT: The object of the present investigation was to study the part played by excess vacancies in the formation of the K-state. To this end, specimens of an alloy whose composition corresponded to Ni_Fe + 3% Mo were quenched from various temperatures at various cooling rates, after which the temperature dependence of specific heat and electrical resistivity of the alloy were determined. In addition, the variation of these two properties was studied on specimens which, after preliminary quenching followed by plastic deformation, were isothermally heat-treated at various temperatures. The formation of the K-state in quenched specimens was indicated by a minimum on the temperature-dependence of specific heat; on increasing the quenching temperature from 950 - 1 150 C the position of this Card 1/3

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Effect of quenching

minimum was shifted from 470 to about 420 °C. The temperature interval of maximum intensity of the formation of the K-state (as revealed by the variation in specific heat) was studied also by electrical-resistivity measurements. The results showed that the intensity of the process studied was increased several times when the concentration of vacancies in the alloy was increased by quenching it (from 950 $^{\circ}$ C) in water instead of in air. The effect of excess vacancies on the formation of the K-state was also demonstrated by the results of experiments carried out on specimens quenched and then plastically deformed. These are reproduced in Fig. 3, where the increase in electrical resistivity ($\Delta \phi / \rho$, %) os specimens isothermally heat-treated at 400 °C is plotted against the ageing time (hours), curve 1 relating to water-quenched material, curves 2-4 to material which after quenching had been given 1, 5 and 15% reduction, respectively. Finally, the existence of a close relationship between the presence of excess vacancies and formation of the K-state was indicated by the fact that tentatively determined activation energy for this process was found to be 36 ± 5 kcal/mola

Card 2/3

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Effect of quenching

S/126/62/013/003/017/023 E193/E383

which was very close to the activation energy for movement of vacancies in some nickel alloys with properties similar to those of the alloy studied by the present authors. There are 4 figures.

ASSOCIATION:

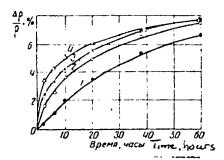
Sibirskiy fiziko-tekhnicheskiy institut

(Siberian Physicotechnical Institute)

SUBMITTED:

August 5, 1961

Fig. 3:



Card 3/3

X

KARPOV, V.I.; KOLESNIKOV, A.F.; NIKITINA, A.K.; PRISHCHEPA, M.i.

Impact toughness of Gl3L steel at low temperatures. Metalloved. 1
term. obr. met. no.7:39-40 Jl '64.

1. Omskiy institut inzhenerov zheleznodorozhnogo transporta.

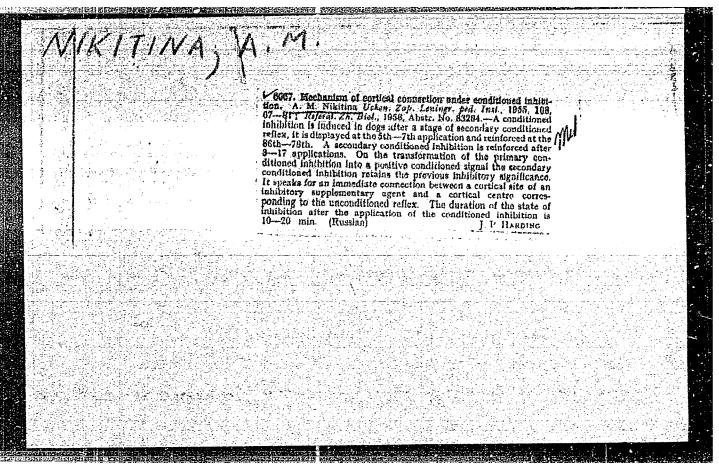
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137020009-8"

BUKHOVETS, G.I.; KUZ'MENKO, G.N.; HIKITIMA, A.M.; ROKOTOVA, N.A.

Determining the type of the higher nevous system in man. Uch.map.
Ped.inst.Gerts. 1083-11 '55.

(TEMPERAMENT)

(TEMPERAMENT)



NIKITINA. A. M.

PA 19/49T3

USER/Chemistry - Polymerization

Sep/Oct 48

"Studies of the Polymerization Process by Means of Fresnel's Diffraction, "A.N. Nikitina, Inst Org Chem, Acad Sci USSR, $5\frac{1}{4}$ pp

"Iz Ak Nauk SSSR, Ser Fiz" Vol XII, No 5

Existing methods for studying polymerization process either do not provide for continuous observation, or involve use of expensive apparatus. Describes simple method for continuous observation of process, based on Fresnel's diffraction. Includes two sketches, three graphs, and one table.

19/4913

MAYBORODA, V.I.; PANINA, L.D.; VANIFAT'YEVA, K.P.; NIKITINA, A.M.; CHUDAKOVA, N.I.

THE RESIDENCE WHEN THE PROPERTY OF THE PROPERT

Mass coloration of capron. Khim.volok. no.5:52-55 '62. (MIRA 15:11)

- 1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Mayboroda, Panina, Vanifat'yeva).
- 2. Klinskiy kombinat iskusstvennogo i sinteticheskogo volokna (for Nikitina, Chudakova).

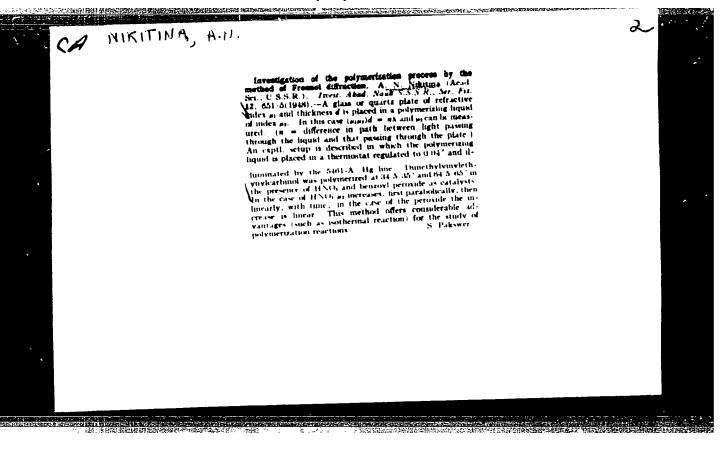
(Dyes and dyeing-Nylon)

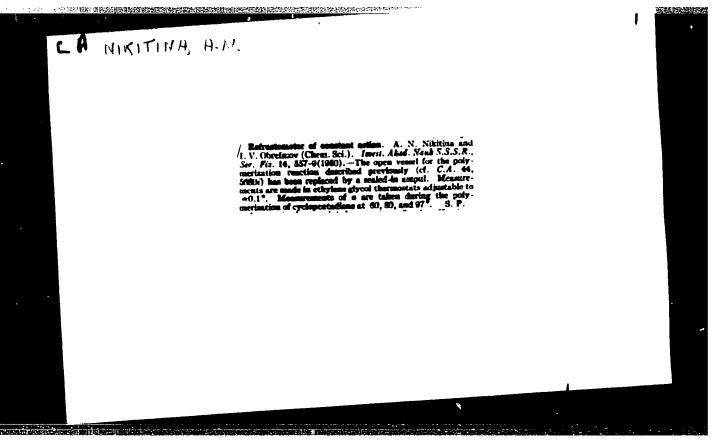
KHARITONOVA, G.N.; NIKITINA, A.M.; CHUDAKOVA, N.I.

Loose nylon dyeing. Khim. volok. no.2:61-62 '65.

1. Klinskiy kombinat.

(MIRA 18:6)





HIKITINA, A. N.

A hasorption spectra of poly- and monostyrene at low temperature. A. N. Nikitina. Invest. Ikad. Nauk S.S. R., Ser. Fiz. 17, 728-32 (1652).—Absorption spectra of monoand polystyrene, 1-vinylmaphthalene, and poly-1-vinylmaphthalene were measured at room temp. and -195°. Polystyrene tilms 60-5 µ were cast on Hg. Monostyrene layers 4-1 µ and 1-vinylmaphthalene layers 0-8 2.0 µ were obtained by squeezing a drop of substance between 2 quartz plates. Layers of poly-1-vinylmaphthalene between 2 quartz plates. Layers of poly-1-vinylmaphthalene 0.5 1.5 µ were deposited from soin, onto a quartz plate. The 3 broad absorption bands of strene are split up at -195° into 12 narrow bands; the continuous spectrum is resolved into 7 wide bands; the spectrum of polystyrene contains at both temps. 8 wide bands. This spectrum is very similar to the ethylbenzene spectrum and it is presumed that the light is absorbed in the mol. of polystyrene by the benzene ring. 1-Vinyl and poly-1-vinylmaphthalene have similar spectra consisting of 6 bands both at room temp, and at -195°; the spectrum of a polymerized mol. is conditioned by the absorption of its sep. links.

10-12-54

Inst. Org Chew. AS USSR

NIKITINA A.N.

WOCK/Chemistry - Spectral analysis

Cerd 1/1

Pub. 43 - 61/62

Anthors

Wikitine, A. N., and Ter-Sarkisyan, G. S.

Title

Absorption spectra of certain nitrogen-containing heterocyclic compounds at low temperature

Periodical

! Isv. AN SSSR. Ser. fiz. 18/6, 740-741, Nov-Dec 1954

Abstract

The electron absorption spectra of various nitrogen-containing heterocyclic compounds were investigated at room temperature and at -195 and even -259°C. It was found that a drop in temperature from room temperature to that of liquid nitrogen and liquid hydrogen bring about a change in the absorption spectra of the compounds investigated. It was also established that the substitution of the carbon atom in cycles of aromatic compounds by a nitrogen atom does not result in considerable changes in the electron cloud of molecules of the investigated compounds. One USER reference (1952). Illustrations.

Institutions

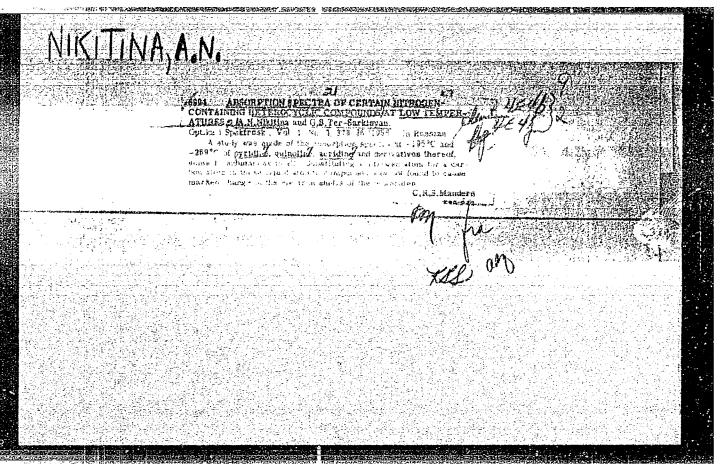
Acad. of Sc., USSR, The N. D. Zelinskiy Inst. of Organ. Chem.

Submitted :

NIKITINA, A.N.; SAFONOVA, V.M.

Change of the refractive index of organic liquids in a wide temperature range. Zhur.fiz.khim. 29 no.2:356-358 F 155. (MIRA 8:7)

1. Akademiya nauk SSSR, Institut organicheskoy khimii, Moscow. (Refractive index) (Chemistry, Organic)



USSR/Farm Animals - Wild Animals.

Q-6

: Ref Zhur - Biol., No 1, 1958, 2623

Author

Abs Jour

: S.A. Illarionov, A.N. Nikicina

Inst

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Title : Early Rejection and Removal of Females from the Original

Group, and the Preliminary Selection of Young Foxes.

Orig Pub

: Karakulevodstvo i zverevodstvo, 1956, No 5, 34-36

Abstract

: On the basis of the experience gained at the Biryulinskyy zverosovkhoz /sovkhoz dealing with breeding of wild life animals, it is recommended that as soon as the young foxes are born, the mothers with any deformity of reproduction organs should be removed from the group. According to the author, the pedigreed young stock, represented by well developed pups should be removed soon after birth. Later, the selection is made according to the health of the pups, their development, the degree of shedding of the summer fur, the coloring of the fur, and the quality of a formed winter coat.

Card 1/1

N,K.TINA, A.N

AJTHORS:

Mikitina, A. S., Jalanin, ... r., Aronovich, r. M., 35-1-2/20 Shchegoleva, I. A., Ikita, L.v.,

TITLE:

An Investigation of Boron Organic James Co. lators (Issledovana, atsintillystanov, deformation of re-Saniche Rige Some survey (ig t)

PERIODICAL:

Izvestija AN SSSA Serija Fizicheskaja, 1958. 761. 32, r 1, pp. 12-15 (ນຽນK)

ABSTRACT:

The authors investigated a number of organoboron companies (some of them were for the first time obtained in refer nce 3) for the purpose of determining the possibility of using them for the recording of slow neutrons. The esters of alogk- and did of borns acid were investigated on teir introduction into a liquid scintillator - a p-temphenyl-solution. It became evident that the intensity of the descintillation of the latter coes almost not change. Trinethylborate used in the practice of muslear physics weakens the fluminescence of the peterphony 1-solution by 50 . It is shown that the esters of ar 1- and diarylocric sci. on their introduction into a p-terphonyl-solution cause a considering weakening of the scintillation of the latter (10-10, 1. No. or manoboron compounds with aryl-substituents the solves or once a

Card 1/2

weak /-luminescence.

An Investigation of Seron Organic Compounds Joutaining Scintil- - mi-1-, inc lators.

There are 1 table, and 6 references, 3 of which are playlow

ASSUCIATION:

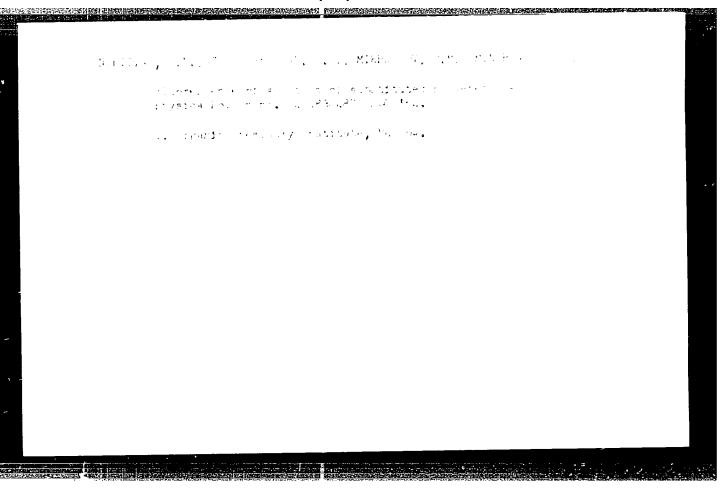
In titute for Physics imeni P.N. Lebedev AS USSR Finite as if

institut i. P.M. Lebeceva. A. SUSK,

Library of Congress AVAILABLE:

1. Chemistry 2. Boron compounds-Application

Card 2/2



NIKITINA, A.N.: GALANIN, M.D.; ARONOVICH, P.M.; SHCHEGOLEVA, T.A.; MIKHAYLOV, B.M.

Analysis of scintillators containing boron organic compounds.

Izv. AN SSSR. Ser. fiz. 22 no.1:14-20 Ja '58. (MIRA 11:2)

1.Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR i Fizicheskiy institut im. P.N. Lebedeva AN SSSR. (Stintillation counters) (Nuclear physics--Instruments)

SOV/51-6-3-12/28

AUTHORS: Nikitina, A.N., Galanin, M.D., Ter-Sarkisyan, G.S. and

Mikhaylov, B.M.

The Absorption and Luminescence Spectra of Solutions of TITLE:

Substituted Polyenes (Spektry pogloshcheniya i

lyuminestsentsiya rastvorov nekotorykh zameshchennykh

polivenov)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol 6, Nr 3, pp 354-365, (USSR)

ABSTRACT: The authors investigated the electronic absorption spectra of eighteen substituted butadienes and hexatrienes dissolved in heptane as well as luminescence of solutions of these substances in heptane and benzene. All the substances studied were purified chromatographically using aluminium The absorption spectra of solutions were measured oxide. The luminescence spectra using a spectrophotometer SF-4. in the visible region were measured by means of a spectrometer consisting of a monochromator UM-2 and a photo-The results obtained are shown in Table multiplier FEU-19. This table includes calculated values of the oscillator

Card 1/2 strengths of long-wavelength electronic transitions and the

The Absorption and Luminescence Spectra of Solutions of Substituted Polyenes

quantum yields of luminescence. The absorption spectra of solutions of the substituted butadienes and hexatrienes are shown in Figs.1-8. It was found that the absorption intensities and band positions depend on the degree of departure from coplanarity of conjugated double bonds. It was found also that the quantum yield of luminescence of some substances is higher in benzene solutions and in others it is higher in heptane solutions. Measurements of the excited-state lifetime showed that decrease of the quantum yield of l,l,4,4-tetraphenyl-butadiene-1,3 in a benzene solution is due primarily to quenching of the second type, while changes of the excited-state lifetime of 1,6-diphenyl-hexatriene-1,3,5 figures, 2 tables and 11 references, of which 2 are Soviet,

SUBMITTED: January 16, 1958

Card 2/2

T. 981,9-63

EPF(c)/KWP(1)/KWT(m)/RDS--Pr-li/Pc-li--MAY/RM/WW

ACCESSION ER: AP3000583

s/0051/63/014/005/0655/0663

65

AUTHOR: Mikitins, A. N.; Ter-Sarkisyan, G. S.; Mikhaylov, B. M.; Minchenkovs, L. 16.

TIT'LE: Fluorescence of some substituted polyenes

SOURCE: Optika i spektroskopiya, v. 14, no. 5, 1963, 655-663

TOPIC TAGS: hexatrienes, fluorescence, absorption, oscillator strengths

ARSTRACT: In an earlier investigation of the fluorescence and absorption spectra of some substituted butsdienes and hexatrienes (Opt. 1 spektr. 6, 354, 1959) there was observed for 1,6-diphenyl-hexatriene-1)3,5 decrease of the fluorescence yield and increase of the luminescence persistence in going from benzene to heptane solutions. The present study of other members of the hexatriene series was undertaken in order to help clarify this puzzling effect. There were measured the absorption and fluorescence spectra and fluorescence persistences of 13 substituted polyenes in solutions in heptane, benzene and toluene, and in some cases carbon tetrachloride and normal octene-1. The quantum luminescence efficiencies were evaluated and the oscillator strengths of the

Card 1/2

L 9849-63 ACCESSION ER: AP3000583

long wavelength electronic transitions were calculated. The experimental data are tabulated. It was found that similar changes in fluorescence yield and persistence are characteristic of all members of the hexatriene series. The alteration is attributed to interaction of the polyene molecules with the molecules of the solvent. Possibly they associate to form complexes in which the oscillator strength is increased (as compared with the unexcited state) and the excited lifetime reduced. Orig. art. has: I equation, 6 figures, and Ita table.

ASSOCIATION: none

SUB-TITED: 08Aug62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: CH, PH MR REF SOV: 008 OTHER: 003

mb/je/ Card 2/2

CALLED BENEFIT OF THE PROPERTY OF THE PROPERTY

SMORCHKOV, V.N.; NIKITINA, A.N.

Simplified photoelectric fluorimeter. Prib. i tekh. eksp. 8 no.3:192 My-Je '63. (MIRA 16:9)

1. Institut organicheskoy khimii AN SSSR. (Fluorimeter)

مروريا EWT(m)/T RM/WW/JW/JWD ACC NR AR6016188 SCURCE CODE: UR/0058/65/000/011/D021/D021 AUTHOR: Nikitina, A. N.; Petukhov, V. A.; Galkin, A. F.; Fedotov, N. S.; Bubnov, N. Absorption spectra of boro-organic compounds in the vacuum-ultraviolet region SOURCE: Ref. zh. Fizika, Abs. 11D156 HEF COURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 369-383 TOPIC TAGS: uv spectrum, absorption spectrum, boron compound, electron spectrum, line intensity, Raman spectrum APSTRACT: The authors investigated the electronic absorption spectra of solutions of boro-organic compounds of aromatic and non-aromatic series, and also substituted borazols in the region ~1700 - 3000 Å. The integral intensities of the lines (of the benzene ring) were measured in the Raman spectra of certain boro-organic compounds of the aromatic series. The strong interaction between the boron atom and the aromatic radicals was observed, which was especially strongly manifest in short-wave electron transitions. With increasing interaction the intensity of the corresponding bands decreases. The changes of the spectra observed in the borazols are analogous to the changes of the spectra of the corresponding benzene substitutes. [Translation of abstractl SUB CODE:

NIKITINA, A.N.; PETUKHOV, V.A.; GALKIN, A.F.; FELOTOV, N.S.; BUBNOV, Yu.N.; ARONOVICH, F.M.

Absorption spectra of organoboron compounds in the vacuum ultraviolet region. Opt. i spektr. 16 no.6:976-983 Je '64. (MIPA 17:9)

NIKITINA, A.P.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry

D.

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4159

Author Inst

: Academy of Sciences USSR

Title

: Nickel Vermiculite from Ukrainian Weathering Shell

Orig Pub

: Sb.: Kora vyvetrivaniya, No 2, M., AN SS3R, 1956,

188-192

Abstract

: In biotite fringes of pegmatite veins intersecting amphibolized pyroxenes Ni-vermiculite has been found together with montmorphism. Results of chemical analysis (in %): SiO₂ 26.50, TiO₂ 1.69, Al₂O₃ 12.26,

Fe₂0₃ 19.22, FeO 5.03, MgC 13.94, CaO 0.35, NiO 8.60,

MnO 0.26, R_2 0 0.00, H_2 0+9.94, H_2 0-2.56, total 100.35.

Structural formula: (H₃0)_{0.97}(Mg_{1.68}

Card 1/2

- 51 -

15-57-1-463

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,

pp 73-74 (USSR)

AUTHORS: Ginzburg, I. I., Nikitina, A. P.

TITLE: The Weathering Products From Certain Chlorites in the

Ukrainian SSR (Produkty vyvetrivaniya nekotorykh

khloritov UkrSSR)

PERIODICAL: V sb: Kora vyvetrivaniya, Nr 2, Moscow, AN SSSR, 1956,

pp 193-215.

ABSTRACT: Chlorites in the weathering crust of ultrabasic rocks

are widespread. Chlorite rocks that form during uralitization of pyroxenites are extensive. Fresh chlorite was found in small quantities with jefferisite, which represents the initial stage of weathering in the chlorite. The fresh chlorite, in fine scales 0.5 mm to 1 mm across, is light green. Pleochroism is weak, from almost colorless along Np to pale green

along Ng. The extinction is parallel and the elongation

positive. Ng' is 1.576, Np' 1.570, and the bire-Card 1/3

NIKITINA, A.P.

Weathered surface of crystalline rocks in the Saltykov section of the Starooskol'skiy ore center of the Kursk Magnetic Anomaly. Kora vyvetr. no. 3:273-292 '60. (MIRA 13:12)

 Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR. (Eursk Magnetic Anomaly--Rocks, Crystalline and metamorphic)

GINZBURG, I.I.; NADZHAKOVA, G.E.; NIKITINA, A.P.

Recent and ancient laterite weathering of basalts in Brazil and the Russian Platform. Kora vyvetr. no.4:3-95 '62.

(MIRA 15:9)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.

(Brazil--Weathering) (Brazil--Basalt)

(Russian Platform--Weathering) (Russian Platform--Basalt)

NIKITINA, A.P.; KOROLEV, Yu.M.; VORONTSOV, V.G.

Palygorskite and saponite from the weathering surface of the Kursk Magnetic Anomaly. Kora vyvetr. no.6:48-54 '63. (MIRA 17:9)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva (for Nikitina).
2. Institut geologii i razrabotki goryuchikh iskopayemykh AN SSSR, Moskva.(för Korolev). 3. Nauchno-issledovatel'skiy institut stroitel'nogo osusheniya, Belgorod (for Vorontsov).

NIKITINA, A.F.

Pormetion and types of *Heathering surfaces on mokes of the crystalline basement of the nursk Hagnetic Anomaly. Yora vyvetr. no.6:102-124 *63. (MIRA 17:9)

1. Institut geologic rudnykh mestorozhdeniy, petrografai, mineralogii i geokhimi. AN RuB, Moskve.

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BUGEL'SKIY, Yu.Yu.; VITOVSKAYA, I.V.; GODLEVSKIY, M.N.; ZVEREVA, Ye.A.; KORIN, I.Z.; NIKITIN, K.K.; NIKITINA, A.P.; PISEMSKIY, G.V.; SAPOZHNIKOV, D.G.; SOKOLOV, G.A.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.; EDEL'SHTEYN, I.I.; YANITSKIY, A.A.

Il'ia Isaakovich Ginzburg, 1882?-1965; obituary. Geol.rud.mestorozh. 7 no.4:109-110 Jl-Ag '65. (MIRA 18:8)

A

*The Results of Forest Cultivation on the Fields of the Lower Volga (Urdin and Astrakhan Sands(." Cand Agr Sci, Leningrad Order of Lenin Forestry Engineering Academy imeni S. M. Kirov, Leningrad, 1955. (KL, Ho 13, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Lefneded at USSR Higher Educational Institutions (15)

CCESSION NR: AP3006591	s/0020/63/151/006/1322/1325 78
UTHORS: Bresler, L. S. S. A.; Kropacheva, Ye, N.; Nel	(Corr. member AN SSSR); Dolgoplosk, son, K. V.; Nikitina, A. P.
TITLE: study of copolyme: 2,3-dimethylbutadiene-1,3 in fonic type.	rization process of <u>butadiene-1,3</u> with the presence of various catalysts of the
SOURCE: AN SSSR. Doklady*,	v.151, no. 6, 1963, 1322-1325
2 3-dimethylbutediene, butyll	etic rubber copolymerization, lithium, ithium, HCl, C sup l4, Al, tetrahydro-
adiene during its copolymeriz catalysts such as butyllithiu type catalysts such as alumin bydrochloric soid, and comple	ities of 2,3-dimethylbutadiene and but- ation in the presence of anionic type m complex/with tetrahydrofuran, cationic um ethyldichloride in the presence of x organo-metallic catalysts was studied. lymers obtained by the above systems
Card 1/32	

were also studied. Butadiene tagged with carbon Cl4 was used to study the composition of copolymer. The non-radioactive polymeric microstructures were investigated by IR absorption spectra using NaCl prism. The vitrification temperature of the polymerized product mixture of butadiene and 2,3-dimethy butadiene under the influence of catalysts decreases with an increase in its butadiene ratio. This points to the formation of true copolymers and not homopolymers. It was found that 2,3-dimethylbutadiene is more active in the cationic polymerization mechanism and butadiene is more active in the anionic type polymerization. Copolymers formed in the presence of com-	plex catalysts are enriched in butadiene as compar monomeric mixture. The relative activity of 2,3- is slightly lower than the activity of isoprene. 3 tables and 3 figures.	ed to the initial dimethylbutadiene
study the composition of copolymer. The non-radioactive polymeric microstructures were investigated by IR absorption spectra using NaCl prism. The vitrification temperature of the polymerized product mixture of butadiene and 2.3-dimethylbutadiene under the influ-	This points to the formation of true copolymers and It was found that 2,3-dimethylbutadiene is more actic polymerization mechanism and butadiene is more tonic type polymerization. Copolymers formed in the contract of the c	d not homopolymers. tive in the cation- active in the an- he presence of com-
study the composition of copolymer. The non-radioactive polymeric	NaCl prism. The vitrification temperature of the	polymerized pro-
	study the composition of copolymer. The non-radio microstructures were investigated by IR absorption	spectra using

5/032/02/028/006/005/025 8110/8101

NUTTIONS 11 Monoy, 1. No., and Mixitima, A. 2.

TITLE: Determination of small amounts of manganese in alloys of magnesium with rare-earths

PHRICUIDAL: Zavolskaya laboratoriya, v. 28, no. 6, 1962, 600 - 003

That: In the presence of cerium, manganese was extracted from its allow with rure-cerths as manganese diethyl dithiocarlaminate. Extraction and partial out at $0.1 \pm 4 \pm 5.5$ in acctate medium without need for each leak a tracta. The acid solution of the alloy was neutralized with $10.0 \, \text{Mom}$ to $1.2 \pm 3 \pm 1$ and mixel with an acctate buffer solution along with a $10.0 \, \text{Mom}$ tion of sodium diethyl dithiocarbaminate. Then, the manganese ours along the entracted with carbon tetrachlorite, $11_{2} \cdot 10_{2} \cdot 10_{1}$ was added, the or and solvent resoved by boiling and the residual organic material lecomposite of evaporation. Finally, $11_{2} \cdot 10_{2} \cdot 10_{1} \cdot 10_{1}$ and potabolum periodate were at $10_{2} \cdot 10_{1} \cdot 10_{1}$ the ortical density was determined photocolorimatrically with a green filter. At $10_{1} \cdot 10_{1} \cdot 10_{1}$ the manganese could be fully extracted in one cycle. Card 1/2

Determination of small amounts of ... B110/B101

There are 2 tables.

ASSOCIATION: Bereznikovskiy filial Yesseyuznogo alyuminiyevo-magniyev instituta (Berezniki Branch of the All-Union Institute of Aluminum and Magnesium)

SHUBIN, A.S.; MAZURENKO, N.P.; NIKITINA, A.S.

Electron microscopy of Mazurenko virus in tissues of leukemic rats. Neoplasma (Bratisl) 12 no.3:261-264 '65.

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR, Moskva, SSSR.

18 8300

S/125/61/000/002/003/013 A161/A133

AUTHORS:

Wabkin, D. M., Yagupol'skaya, L. N., Nikitina, A. ., Grabin, V. F.

TITLE:

Effect of heat treatment on the corrosion resistance of AMg6 alloy

and its welds

PERIODICAL: Avtomaticheskaya svarka, no. 2, 1961, 40-47

TEXT: The AMr6 (AMg6) alloy is an extensively used alloy that is corrostorproof in air but not so in sea water. It is used in shipbuilding, apart from
many other applications. It has been known for a long time that Al-Mg alloys with
above 5% Mg are prone to sea water corrosion after hardening and aging, and the
AMg6 can contain as much as 6.5% Mg. The described tests were carried out because
of contradictory data in literature on the effect of heat treatment on such alloy
grades. Two studied AMg heats had the following composition: 1) (%) 6.2 Mg,
grades. Two studied AMg heats had the following composition: 1) (%) 6.2 Mg,
0.70 Mn, 0.25 Fe, 0.25 Si, 0.14 Ti; 2) 6.5 Mg, 0.59 Mn, 0.05 Fe, 0.06 Si, 0.10
Ti. The welds were produced with an automatic argon are process, with tungsten
telectrodes and filler wire of AMg6. The corrosion test solution was water with
NaCl + 1% HCl; tests were carried out at 20°C, for 24 and 48 hours, and the
test techniques corresponding to those described by P. Brenner and W. Roth

Card 1/3

the behavior of metal appears to depend somehow on the state of the grain boundarise themselves as this was noticed by F. Erdmann-Jesnitzer [Ref. 15: Inter-

Effect of heat treatment on the corrosion ...

S/125/61/000/002/003/013 A161/A133

Soviet bloc. Two references to English-language publications read as follows: F. M. Reinhart, G. A. Ellinger, Corrosion resistance of aluminum alloys, Light Metal Age, 14, N. 5-6, 16, 1956; P. Brenner, W. Roth, Recent developments in corrosion-resistant Al-Mg alloys. J. Institute of Metals, 74, p. 159, 1947.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye. O. Patona AN USSR (Electric Welding Institute "Order of the Red Banner

SUBMITTED:

June 15, 1960

Card 3/3

S/125/62/000/009/004/008 A006/A101

AUTHORS:

Rabkin, D. M., Nikitina, A. V.

TTTLE:

The structure of an aluminum seam

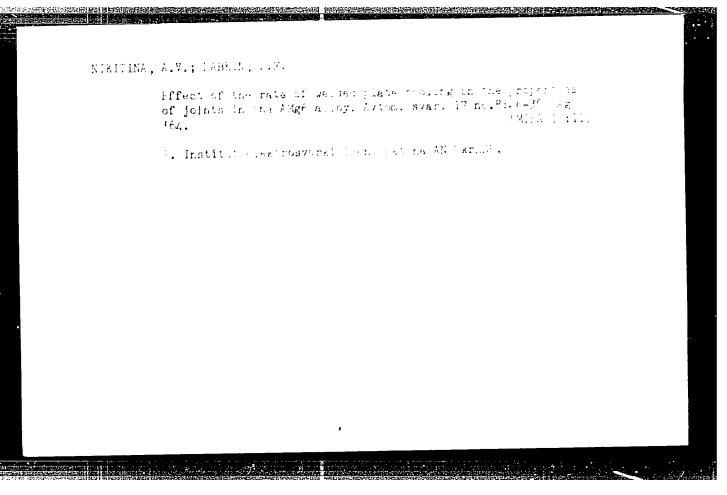
PERIODICAL: Avtomaticheskaya svarka, no. 9, 1962, 50 - 56

TEXT: The authors studied the effect of the welding speed, the thickness of the base metal and the temperature of preheating the base metal, upon the structure of "A00" aluminum seams with a relatively low content of impurities (0.0% Fe, 0.07% Si, 0.005% Cu). The welding speed varied from 13.9 to 42 m/hour; the welded plates were 6 - 25 mm thick and the preheating temperature was 100, 200, 300 and 400°C. To study the effect of the basic metal grains upon the nature of crystallite growth near the fusion line, plates with different grain size were produced by annealing and deformation. It was found that the microstructure of aluminum welds is characterized by a columnar orientation of crystallites; directly near the fusion line the crystallites of the weld are the prolongation of fused metal grains. The crystallite size increases with coarser weld metal grains. Beyond the fusion line, the crystallite size does practically not depend

Card 1/2

NIKITINA, A.V.; RYABOV, V.R.; RABKIN, D.M.

Revealing the macro- and microstructure of weld joints between steel and aluminum. Avtom. svar. 16 nq.4:33-85 Ap '63. (MIRA 16:4) (Steel-Welding) (Aluminum-Welding) (Metallography)



L 12964-65 EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(b) Pf-4/Ps-4 MJW/JD/HK

ACCESSION NR: AP4043202

\$/0125/64/000/008/0026/0030

AUTHOR: Mikitina, A. V.; Rabkin, D. H.

TITLE: Effect of the cooling rate of AMR6 alloy welds on the weld

Source: Avtomaticheskaya svarka, 7no. 8, 1964, 26-30

TOPIC TAGS: AMg6 slloy, AMg6 alloy weld, AMg6 alloy weld property, AMg6 alloy weld strength, AMg6 alloy weld structure

ABSTRACT: The effect of the cooling rate on weld properties in ANg6 alloy has been studied in HIG-welded plates 12 mm thick and 30-200 mm wide, and in submerged arc-welded plates 6 mm thick and 15-250 mm wide. The content of Hg in the base metal amounted to 6.0% and in the electrode wire, to 6.2%. Experiments showed that the weld strength depends greatly on the rate of weld cooling, i.e., on the width of the plate. In HIG-welded/plates it varied from 22.6-23.0 kg/mm² in the plate 30 mm wide to 29.9-31.0 kg/mm² in the plate 150 mm wide, and in submerged arc-welded plates, from 14.1-14.0 kg/mm² in the plate 20 mm wide to 23.3-24.7 kg/mm² in the plate 250 mm wide. A sharp

Card 1/2

L 12964-65 ACCESSION NR: AP4043202

drop in the cooling rate was observed in plates whose width was less than 65-100 mm. Decrease of weld strength and ductility was particularly pronounced in plates 6 mm thick and 35-50 mm wide joined by MIG welding with full penetration and in plates 12 mm thick and 65-100 mm wide welded by submerged arc. At a high cooling rate (wide plates) the microhardness of aluminum solid solution amounted to 88 kg/mm2, while at a low rate (narrow places) it was 64 kg/mm2. The docrease in mechanical properties of narrow places is caused mostly by weld porosity and to a certain extent by precipitation of 8-phase particles and a slight decrease of Mg content in aluminum-base solid solution. In single-pass welding the plate width must be at lesst 6-10 times larger than the thickness to ensure adequate weld properties. Original art. has: 5 figures and 2 tables.

ASSOCIATION: Institut elektrosvarki im Ye. O. Patona AN UkrssR (Eleccric Welding Institute, AN UkrSSR)

SUBMITTED: 09Ju163 ATD PRESS: 3096

ENCL: 00

SUB CODE: MN NO REF SOV: 003

L 35871-66 EWT(m)/EWP(t)/ETI IJP(c) JH/	JD/WW/JG/WB
ACC NR: AP6021486 SOURCE	CODE: UR/0413/66/000/011/0128/0128
INVENTOR: Rabkin, D. M.; Yagupol'skaya, L. N.; Nikitina, A. V.; Zotova, L. M.; Martynova, N. A. Bondar', V. V.	Langer, N. A.; Dovbishchenko, I. V.; .; Yelagin, V. I.; Ishchenko, A. Ya.;
ORG: none	<i>(</i> . 1
TITLE: Filler-wire for argon-shielded arc weld [announced by the Electric Welding Institute im	ing of <u>aluminum</u> . Class 49, No. 182487 . Ye. O. <u>Paton</u> (Institut elektrosvarki)
SOURCE: Izobreteniya, promyshlennyye obraztsy,	tovarnyye znaki, no. 11, 1966, 128
TOPIC TAGS: welding, aluminum with a recommendation of aluminum. To improve the weld corro 0.8—1.2% chromium and 0.7—1.2% zirconium. SUB CODE: 11, 13/ SUBM DATE: 25Dec63/ ATD	filler-wire for argon-shielded arc sion resistance, the wire contains [ND]
•	[·
Card 1/1 ///- UDC:	621.791.753.93.042
	• • • • • • • • • • • • • • • • • • •

LOSEKAREVA, G.V.; HIKITIMA, B.N.; LOSEKAREVA, T.A.

Fractional detection of cobalt. Izv. vys. ucheb. zav; khim. i khim. tekh. 3 no. 5:960-962 '60. (MIRA 13:12)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.

Kafedra analiticheskoy khimii. (Jobalt--Analysis)

ACC NR: AP502205 AUTHORS: Guseva	52 Na Khantsis, R. Z., Gla	adyshev, A. I. Perepelki	A. Limaylova,	
ORG: none	Chekunin, K. I.; Rodsiminsi	kly, V. V. 44 (4)	63	
	en' izobreteniy i tovarnykh	snakov, no. 14, 1965, 12	!9	
TOPIC TAGS: cop	olymer, pressure casting		;	
the basis of met	Author Certificate presents hyl methacrylate and esters less copolymers suitable for alcohols, e.g., octyl, as	fabricating products by a plasticizer, esters of	casting under phthalic soid,	
e.g., dicyclober	yl, as a stabiliser and de (naphtho-10, 2014, 51)-tri added to the mixture.	issoline (2')-stilbene-2-		
Card 1/1		•	0501	

Correlation in the development of orientation and conditioned motor reactions in ontogenesis. Zhur. vys. nerv. deiat. 4 no.3:406-414 (MLRA 8:2) 1. Laboratoriya sravnitel nogo ontogeneza nervnoy devatel nosti Instituta fiziologii AMN SSSR.

1 52

uta fiziologii AMN SSSR.

(ORIENTATION,
develop. of orientation & conditioned motor reactions in dogs, age factors)

(REFLEX. CONDITIONED,
develop. of conditioned & orientation reactions in dogs, age factors)

(ACING,
age factor in develop. of orientation & conditioned reactions in dogs)

BIRYUZOVA, V.I.; NIKITIMA, E.S.

Cytological study of synchronously dividing cultures of Escherichia coli "B". Mikrobiologiia 30 no.6:1011-1015 N-D '61. (MRA 14:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.
(ESCHERICHIA COLI) (BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

KORSHUN, L.L.; NOTKIN, M.M.; NIKITINA, A.S.; SINELOBOV, M.A.; POSPELOVA, G.L., nauchn. red.; PETRENKO, V.M., tekhn. red.

[Finishing veneerless particle boards] Otdelka nefanerovannykh struzhechnykh plit. Moskva, TSentr. nauchnoissled. in-t informatsii i tekhniko-ekon. issledovanii po
lesnoi tseliiulozno-bumazhnoi, derevoobrabatyvaiushchei
promyshl. i lesnomu khoz. 1963. 22 p. (MIRA 16:11)
(Particle board) (Wood finishing)

BIRYUZOVK, V.I.; NIKITINA, E.S.

Participation of the cytoplasmic membrane of Escherichia coli B. cells in the fermation of mitochondrial analogs. Izv. AN SSSR. Ser. biol. 31 no.1:145-147 Ja-F '66. (MIRA 19:1)

1. Institut molekulyarnoy biologii AN SSSR. Submitted May 2, 1965.

N.K. FIRA, FA

124-1957-10-11826

Translation from: Referativnyy zhurnal, Mekhanika. 1957, Nr 10, p 91 (USSR)

AUTHOR: Nikitina, F. A.

TITLE: The Rotary Flow Counter of the Rostov Institute of the Academy

of Communal Economy (O rotornom schetchike stoka Rostovskogo

instituta Akademii kommunal' nogo khozyaystva;

PERIODICAL: Dokl. VASKhNIL, 1956, Nr 11, pp 36-40

ABSTRACT: In view of the fact that no instructions were issued regarding

the distances at which the counters should be installed from a water outlet pipe, the Sredne-Aziatskoy n.-i. in-t irrigatsii (Centr Asian

Research Institute for Irrigation) conducted an investigation of the speed diagram in a pipe section located seven (7) diameters from the inlet. The investigations revealed that the instrument is not sufficiently accurate. Several constructional deficiencies were pointed out, viz., the reduction gear was poorly sealed,

suspended matter was obstructing the bearings, etc.

V. V. Fandeyev

Card 1/1

NIKITINA, F.A., Cand Tech Sci -- (diss) "Rotary meter

flow meter Size, as a means of att automating

the water count in irrigation systems." Fashkent 1908

21 pp with illustrations (Acad Sci UzSSR. Inst of water

Problems and Hydrotechnics) 150 copies (KL, 32-58, 109)

- 35 -

AUTHOR:

Nikitina, F.A.

90-55-7-6 10

TITLE:

Rotary Water Discharge Weter DVN-66 (DVNIIE) - Gotornyy

schetchik stoka SVN-56 (SANTIRI)

FERIODICAL:

Gidrotekhnika i melioratsiya, 1050, Nr 7, pr 37-40 (MCCh)

ABSTRACT:

In 1952, the SANIIBI (Central Asia Scientific besearch Institute of Irrigation) hydrometric laboratory designed a discharge water meter for water-measuring installations of irrigation systems. The utilization of a rotary turbine as a primary transducer was the underlying principle for this construction. This rotary discharge water meter SVN-6 (schetchikwodomer Nikitinoy) has the shape of a square box (90x95x135 mm) and an upper cover which is used for the installation of a semicircular dial (Fig. 1). Two mechanisms are installed within the casing of the device which effect the rotation of the turbine (Fig. 7). The mechanism of the discharge meter consists of an ordinary gear-type reducer transmitting the number of revolutions of the shaft with measuring discs in a ratio:

Disc Nr 1 - 1: 16 · 10, disc Nr 2 - 1: 16 · 10, disc Nr 3 - 1: 16 · 10, disc Nr 4 - 1: 16 · 10. The device is installed in water-reasuring structures, the discharge of which can be obtained through the so-called water-measuring drop zk accord-

Card 1/2

thry Tater Discharge Meter $(R)^{-\frac{1}{2}} \mathcal{L}(\mathbb{A}^{n},\mathbb{N}^{n})$

- 90-19-7-6/10

ing to the well-known formula:

 $\zeta = k\omega \sqrt{2g} z_k$ where ω is the discharge, the cross sectional surface and z_k the drop of pressure. Figure ' shows the installation of this device into the tubular water-mater TVC-54. When designing this device, two conditions had to be especially considered: 1) during operation the freely suspended turbine must be kent in the center of the current and not knock against the wall of the connecting pipe: 2) the velocity of the rotation of the turbine must be in proportion to the velocity of the cirrent. There is 1 photograph, 2 diagrams, and 1 chart.

ASSOCIATION: SANIIRI

2. Water - Discharge - Measurement 1. Irrigations systems

3. Meters - Applications

Cart 2/2

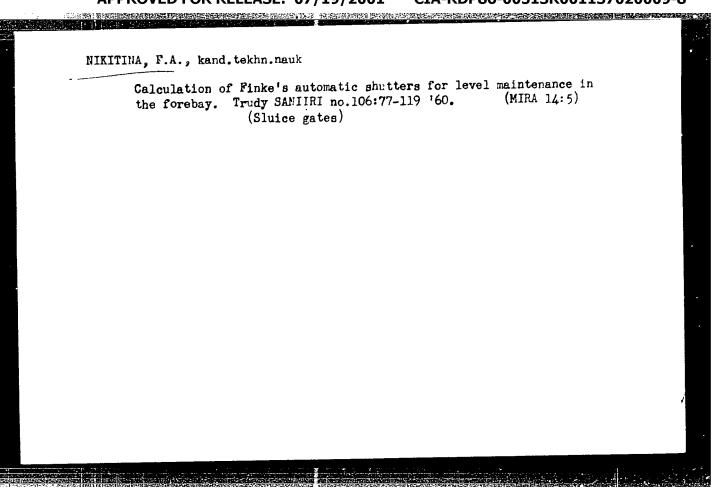
NIKITINI, F.A.

New rotary flowmeter for irrigation systems. Dokl. Akad. sel'khoz.
23 no. 6:38-42 '58. (MIRA 11:7)

1. Srednezzistskiy nauchno-issledovatel'skiy institut irrigatsii.
Predstavlena akademikom I.A.Sharovym.

(Flowmeter)

NIKITINA,	F.A.
-	Rotor water meter developed by the Central Asian Research Institute. Trudy SANIIRI 93:115-135 '58. (MIRA 14:5) (Water meters)
	•



Characteristics of gastric resection in extensive kyphosis of

the thoracic section of the spine. Vest.khir.74 no.2:63-64 Mr 154.

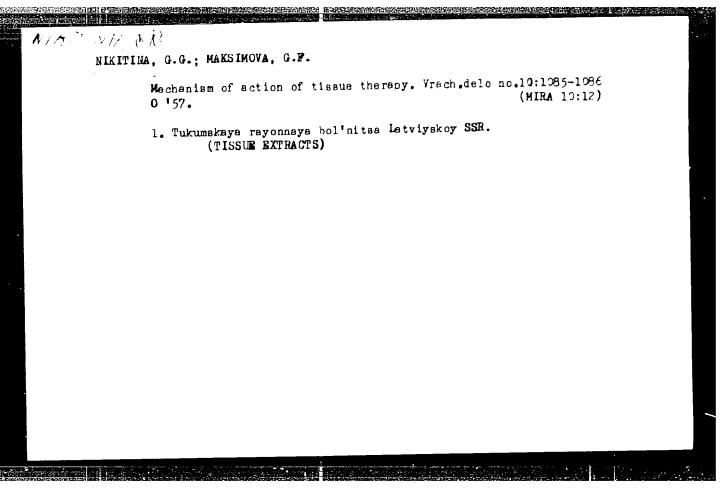
(MLRA 7:4)

NIKITINA, G.G., kandidat meditsinskikh nauk

A district hospital's data on appendicitis. Vest.khir.76 no.8:
127-128 S '55.

1. Iz Tukumskoy rayonnoy bol'nitsy Latviyekoy SSSR.

(APPENDICITIS)



L 00064-66 ACCESSION NR: AP5021322 / UR/0120/65/000/004/0005/0013	
AUTHOR: Averine, A. P.; Linnik, L. N.; Nikitina, G. IJH	42 B
TITLE: Mass spectrometry for the determination of partial pressures in values systems	/aCuum
SOURCE: Pribory i tekhnike eksperimenta, no. 4, 1965, 5-13 TOPIC TAGS: mass spectrometer, spectrometer, electrical filter electric measuring instrument	
ABSTRACT: This survey paper based on 56 articles describes the omegatron farvitron, radio-frequency mass spectrometer (topatron), time-of-flight m spectrometer (chronotron), electrical mass filter, and cycloidal mass spectrometer. The paper presents the basic characteristics of these devices, the merits, and their shortcomings. Orig. art. has: 5 formulas, 12 figures,	ctro-
1 table. ASSOCIATION: None	

BLYUMKIN, L.M.; LINNIK, L.N.; NIKITINA, G.I.

Possibility for ion mass analysis by the frequency-selective method. Prib. i tekh.eksp. 10 no.5:169-171 S-0 '65.
(MIRA 19:1)

1. Submitted October 10, 1964.

NIKITINA, G.M.

Development of conditioned orientation and motor reflexes from the olfactory analysor in pumpies ontogenesis. Zhur.vys.nerv.deiat. 6 1:127-136 Ja-F! 56. (MLRA 9:7)

1. Laboratoriya sravnitel'nogo ontogeneza nervnoy sistemy Instituta normal'noy i patologicheskoy fiziolegii AME SSSR (HEFLEK, CONDITIONED, orientation & motor reflexes from olfactory analysor in young dogs (Rus))

NIKITINA, G.M.

Some characteristics of the extinction of orientation and conditioned defense reflexes in pupples during ontogenesis. Zhur.vys.nerv.deiat. 7 no.6:912-921 M-D '57.

1. Leboratoriya aravnitel'nogo ontogeneza nervnoy sistemy Institute normal'noy i patologichaskoy fiziologii AMN SSSR. (REFIEX, COMDITIONED.

defense, extinction in young dogs (Rus))
(REFIEX,
orientation, extinction in young dogs (Rus))

VOLOKHOV, A.A.; HIKITIHA, G.M.; NOVIKOVA, Ye.G.

Development of autonomic phases of orientation defense and conditioned reflexes during the ontogeny of a comparative series of animals. Zhur.vys.nerv.deiat. 9 no.3:420-428 My-Je 159. (MIRA 12:9)

l. Laboratory of Comparative Ontogenesis of the Nervous System, Institute of Normal and Pathological Physiology, U.S.S.R. Academy of Medical Sciences, Moscow. (HEART - physiology)

(HEART - physiology) (RESPIRATION - physiology) (REFLEX, CONDITIONED) (RWFLEX)

ZOLENKOVA, Ye.G.; NIKITINA, G.M.

Data on the orientation reflex in the early postnatal stage of the lower apes. Zhur. vye. nerv. deiat. 9 no.6:858-864 N-D '59.

(MIRA 13:9)

1. Laboratory of Comparative Ontogenesis of the Nervous System, Institute of Normal and Pathological Physiology, U.S.S.R. Academy of Medical Sciences, Moscow.

(ORIENTATION) (INFANTS (NEWBORN))

ZOLENKOVA, Ye.G.; NIKITINA, G.M.

Formation and development of conditioned defensive reflexes in the young of lower monkeys, Zhur. vys. nerv. deiat. 10 no.2:207-216 Mr-Ap '60. (MIRA 14:5)

1. Laboratory of Comparative Ontogenesis of the Nervous System, Institute of Normal and Pathological Physiology, U.S.S.R. Academy of Medical Sciences, Moscow. (CONDITIONED RESPONSE)

NIKITINA, G.M.

Effect of the aminazine on the correlation of vegetative and motor components of conditioned defense reactions in animals in ontogenesis. Zhur.vys. nerv. deiat. 11 no.2:329-337 Mr-Ap 61. (MIRA 14:6)

1. Laboratory of Comparative Ontogenesis of the Mervous System,
Institute of Normal and Pathological Physiology, U.S.S.R. Academy
of Medical Sciences, Moscow.
(CHLORPROMAZINE) (CONDITIONED RESPONSE)

KOBYSH, V.I., NIKITINA, G.M.

Registration of conditioned and unconditioned motor reactions in animals during ontogenesis with the aid of a carbon recorder. Zhur. vys.nerv.deiat. 11 no.3:557-560 My-Je '61. (MIRA 14:7)

1. Laboratory of Comparative Ontogenesis of the Nervous System,
Institute of Normal and Pathological Physiology, U.S.S.R. Academy
of Medical Sciences, Moscow.
(CONDITIONED RESPONSE) (NERVOUS SYSTEM)

PISANNIKOV, Guriy Pavlovich: NIKITINA, G.M., doktor tekhn. nauk, red.; SHLENNIKOVA, Z.V., red.

[Operation of the electric systems for automatic and remote control of marine emergency, port and auxiliary diesel generators] Ekspluatatoria elektricheskikh sistem automaticheskogo i distantsionnege upravlenina sudovymi avariirymi, stoianochnymi i vapomegatel'nymi dizel'generatorami. Mccokva, Transport, 1966. 93 p. (MIRA 18:7)

NIKITINA, G.M. & YUSOVA, C.B.

Ontogenetic study of the electroencephalographic expression of the orienting reaction in the hippocempus of a rabbit. Zhur. evol. bio-khim. i fiziol. 1 no.3:269-280 My-Je '65. (MIRA 18:7)

 Laboratoriya sravnitel'nogo ontogeneza nervnoy sistemy Instituta mozga AMN SSSR, Moskva.

NIKITINA, G.M.; YUSOVA, O.B.

Comparative characteristics of the development of "spontaneous" bioelectrical activity of some structures of the archeocortex and neocortex in rabbit ontogeny. Zhur. vys. nerv. deiat. 15 no.5:911-918 S-0 165.

1. Laboratoriya sravnitel'nogo ontogeneza nervnoy sistemy Instituta mozga AMN SELF., Moskva.

MIKITIAL A. SIKITINA, G.N., (Moscow)

Retrosternal pneumomediastinography as a method for x-ray diagnosis of intrathoracic tumors. Klin.med. 36 no.4:54-58 Ap'58 (MIRA 11:5)

1. Iz rentgenoradiologicheskogo otdeleniya (nach. - dotsent S.A. Sviridov) TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya (nach. V.N. Zakharchenko)

(MEDIASTINUM, radiography

retrosternal pneumomediastinography in diag. of intrathoracic tumors (Rus))

(THORAX, neoplasms
 intrathoracic, diag., retrosternal pneumomediastinography (Rus))

YURGINA, Z.A.; SOKOLOVA, N.M.; NIKITINA, G.P.

Possibility of the prolonged preservation of the plague microbe in media from the fermentative hydrolysate of casein. Sbor. mauch. rab. Elist. protivochum. sta. no. 1:187-191 159. (MIRA 13:10)

(BACTERIOLOGY—CULTURES AND CULTURE MEDIA) (PLAGUE) (CASEIN)

YARIKOV, G.M.; MEL'HIKOVA, A.S.; HIKITINA, G.P.

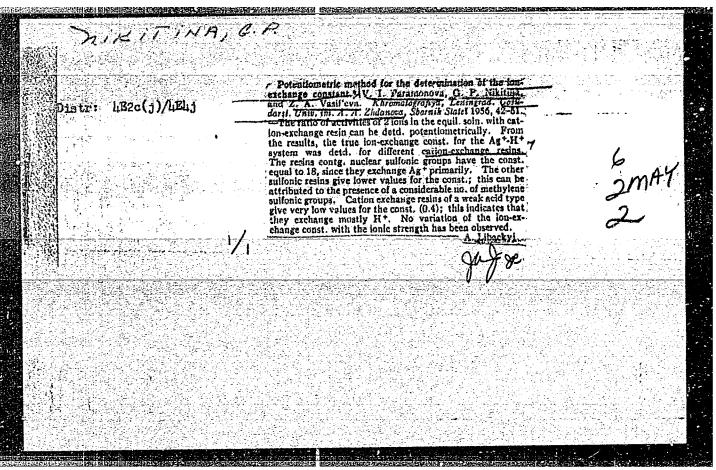
Carboniferous sediments in western Stalingrad Province. Trudy
VHIGHI no. 19:112-151 '59. (MIRA 13:12)
(Stalingrad Province--Geology, Stratigraphic)

NIKITINA, G.P.

Establishment of borders between the Middle and Upper Carboniferous taking into consideration the development of the general Fusulinella-Obsoletes. Uch.zap. SGU 7/:139-146 '60. (MIRA 15:7) (Volgograd Province-Paleontology, Stratigraphic)

MEL'NIKOVA, A.S.; GOGINA, Ye.A.; NIKITINA, G.P.; MOROZOVA, R.I.

Stratigraphy and lithology of Carboniferous sediments in Volgograd
Province. Trudy VNIING no.1:39-90 '62. (MIRA 16:10)



VODEN, V.G.; HIKITINA, G.P.; PUSHLEHKOV, M.F.

Investigation of the complex formation of uranyl nitrate with phosphorus organic compounds. Radiokhimia 1 no.2:121-130 (MIRA 12:8)

'59. (Uranyl nitrate) (Phosphorus organic compounds)

S/186/60/002/002/012/022 E071/E433

AUTHORS: Pushlenkov, M.F., Nikitina, G.P. and Voden, V.G.

TITLE: A study of the formation of uranyl nitrate complexes

with phosphorusorganic compounds. II

PERIODICAL: Radiokhimiya, 1960, Vol.2, No.2, pp.215-221

TEXT: In Part I (Ref.1: V.G.Voden, G.P.Nikitina, M.F.Pushlenkov, Radiokhimiya, 1, 2, 121 (1959)) it was established that uranyl nitrate is transferred from the aqueous phase ($[HNO_3] = 0.2$ to 1.1 M) into the organic phase in the form of a disolvate $UO_2(NO_3)_2 \cdot 2T$ (where T = DBEBPh di-n.butyl ester of n.butylphosphinic acid or TBPhO - tri-n.butylphosphinoxide). The stability constants (K_K) for the compounds $UO_2(NO_3)_2 \cdot 2TBPh$ and $UO_2(NO_3)_2 \cdot 2DBEBPh$ were determined by the distribution method (12 and 9.5 x 10^2 respectively). The calculated stability constant for the latter compound was 6.3 x 10^2 . The difference between the determined and calculated values of the constants was assumed as being due to the presence of oxide impurities which changes the slope of the curve $INS = f[NO_3]_W$ from 0.6 to 1 and correspondingly increases the value of the constant

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is the concentration of NO_3 ions in the equilibrium on; $[T]_0^2$ - concentration of T in the organic NO3 w aqueous solution; solution; Kp - coefficient of distribution of UO2(NO3)2 between the aqueous and organic phases. The stability constant for UO2(NO3)22TBPhO was obtained only by calculation, since the dependence of ln S on [NO3] was represented by a curve indicating the presence of some factors influencing the distribution which were For the system: aqueous solution of not taken into consideration. uranyl nitrate - solution of n.butyl ester of di-n.butylphosphinic acid in carbon tetrachloride, neither the composition of the complex extracted nor its stability constant were determined. The scope of the present work was to determine the composition and the stability of the complex extracted in the latter system, the determination of the stability constant of UO2(NO3)2.2DBEBPh when the DBEBPh is known to be free from oxide admixtures and to explain the curvature of the relationship $S = f[NO_3]_w$ for the system: aqueous solution of UO2(NO3)2 - TBPhO in CC14. For this purpose it was necessary to obtain three relationships: 1) $lg K_p = f(lg[BEDBPh]_o)$, where K_p - coefficient of distribution of UO2(NO3)2 between the aqueous and organic phases; Card 2/4

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 $[T]_{o} = constant for BEDBPh and$ μ , $\left[H^{+}\right]_{W}$, 2) $\ln S = f NO_3$ at The experimental procedure 3) the same relationship for DBEDBPh. was the same as in Part I, except that DBEBPh and BEDBPh were purified from oxygen containing impurities by a few days retention over metallic sodium, followed by filtration through a The experiments were glass filter and a vacuo distillation. carried out at a temperature of 25 ± 0.05°C. It was established that the composition of the complex compounds of uranyl nitrate with BEDBF extracted by carbon tetrachloride corresponded to the The stability constant for general formula of UO2(NO3)2.2T. UO2(NO3)2.2DBEBPh and UO2(NO3)2.2BEDBPh were found to be $6.\overline{03} \times 10^2$ and 2.95×10^4 , respectively. The curvature of the line representing the relationship $\ln S = f[NO_3]$ for TBPhO at a constant ionic force (μ), pH in the aqueous phase ([H]_w) and the concentration of TBPhO in the organic phase ([T]o), is apparently caused by the extraction into the organic phase of two other complexes: U02N03C104.2TBPh0 and U02(C104)2.2TBPh0, in addition to UO2(NO3)2.2TBPhO. There are 4 figures, 4 tables and 2 references: 1 Soviet and 1 non-Soviet. The reference to an Card 3/4

A study of	the forma	tion of uran	S/186/6 y1 E071/E4	0/002/002/012, 33	/022		•
	or gar	europhosphorus	ds as follow: Compounds, I	s: New York - Lor	idon, 1950		
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5/186/62/004/002/003/010 E075/E136

Nikitina, G.P., and Pushlenkov, M.F. Mechanism of extraction of zirconium with AUTHORS:

phosphoroorganic compounds. I. TITLE:

PERIODICAL: Radiokhimiya, v.4, no.2, 1962, 137-147 The object of the work was to elucidate the mechanism of extraction of Zr from nitric acid solutions with the following phosphoro-organic compounds: tri-n-butylphosphate (TBF), di-n-butyl ester of n-butylphosphorous acid (DBEBF) and n-butyl ester of di-n-butylphosphorous acid (BEDBF). extractions were carried out at 250 °C. After extraction, Zr, P 95zr was determined by Geiger-Müller counter, non-active Zr was determined spectrophotometrically. It was shown that the solvation numbers for DBEBF are 1.93, 1.95, and for BEDBF 2.12. Since it was found that

_{= 2.05} \(\sigma 2 ∂lg Kp

is the distribution coefficient) 3 1g [H+]B (where Kp

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Mechanism of extraction of Zr ...

it became evident that 2 ions of H take part in the extraction of Zr and that there is very little formation of complexes of the in the aqueous phase. The study of the dependence of Kp (for Zr) on the concentration of NO3 revealed type $H_{j}^{Me}[NO_{3}]_{i+j}$ that there is formation of nitrate complexes in the aqueous phase. It was concluded that the mechanism of extraction is best expressed by the equation K"k H₂ZrO (NO₃)4 2T, where T

represents a molecule of extractant and K"k equilibrium constant for the reaction. The constants for TBF, DBEBF and BEDBF were found to be 2.66, 2.37×10^{-2} and 6.54×10^{-4} respectively. In general it was found that by changing the ester group for an alkyl group in a molecule of the extractant the extraction capacity of the latter became different. For the region of concentrations of NO3B

Strength 2.5 and concentration of H+ ions equal to 2.5 the Card 2/3

NIKITINA, G.P.; PUSHLENKOV, M.F.

Vibrational spectra of zirconium complexes with organophosphorus derivatives, Fart 1: Spectra of extracts from hydrochloric and nitric acid solutions. Radiokhimiia 5 no.4:436-445 '63.

(Zirconium compounds—Spectra)

(Phosphorus organic compounds)

(Extraction (Chemistry))

NIKITINA, G.P.; PUSHLENKOV, M.F.

Interaction in the system tri-n-butylphosphine oxide hydrochloric acid. Radiokhimiia 5 no.4:445-456 '63.

(MIRA 16:10)

(Phosphine oxide) (Hydrochloric acid)